

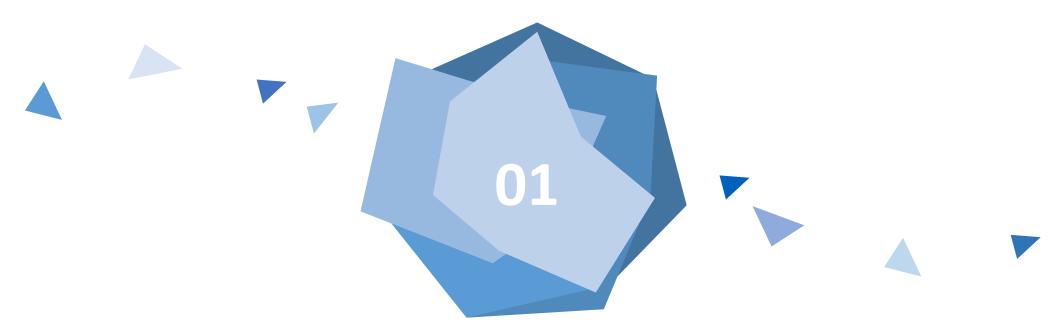
www.jhctechnology.cn





Enabling Smart Manufacturing by SCADA and MES

Time	Agenda
16:00 ~ 16:05	Opening Chi Chi, Marketing Manager, Shenzhen Office
16:05 ~ 16:30	Introduction of Wellintech Software products & Smart Manufacturing Solutions Shami Barbhuiya, Technical Sales Manager Europe & South Asia
16:30 ~ 16:55	Introduction of JHCTECH Products & Smart Manufacturing Solutions Alex, FAE/PSM, Taipei Office
16:55 ~ 17:05	Q&A



Wellintech: Software products & Smart Manufacturing solutions

Shami Barbhuiya, Technical Sales Manager -- Europe & South Asia



ENABLING SMART MANUFACTURING BY SCADA AND MES

September 29, 2022

September 30, 2022

For More Information visit

www.wellintech.com



Shami barbhuiya / $\pm\varpi$ Technical sales manager -europe & south asia

ENABLING

SMART MANUFACTURING

BY SCADA AND MES

SCADA: Supervisory Control and Data Acquisition

MES: Manufacturing Execution Systems



WellinTech Introduction
Overview of WellinTech

Products Introduction

- High level introduction on product lines in the context of smart manufacturing stack.
- Product focus: KingSCADA. Enabling monitoring and control solution using KingSCADA
- JHCTECH X WellinTech SCADA Solution
- A general introduction to MES

3 SCADA and MES Case

- HONDA Factory Production Lines Monitoring Case- KingSCADA
- DOOSAN Touch Screen Monitoring & AGV Dispatch System- KingSCADA
- Capacitor Factory MES Case- KingFusion





China's largest industrial automation software company

Internationalization Pace

Overseas Branches

-Japan

-South Korea

-Singapore

-India

Overseas Partners

South Korea

India

Pakistan

Thailand

Indonesia

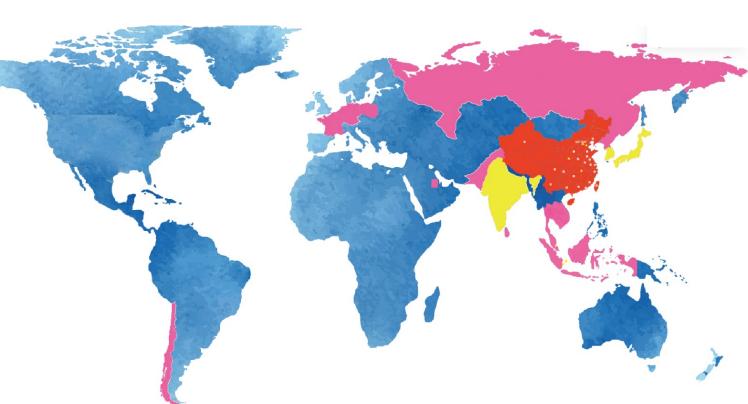
Malaysia

France

Poland

Brazil

•••



Branch&Offices(35+)

- -Shanghai Branch
- -Guangzhou Branch
- -Nanjing Office
- -Chengdu Office
- -Chongqing Office
- -Kunming Office
- -Wuhan Office
- -Changsha Office
- -Jinan Office
- -Shenyang Office
- -Xi'an Office
- -Xinjiang Office
- -Taiwan Office

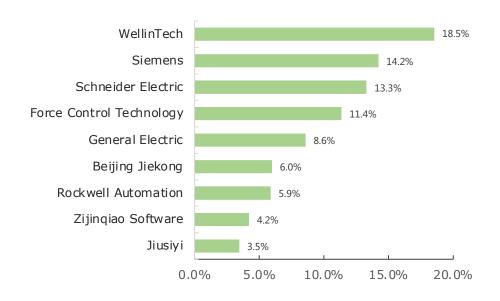
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R&D Centers(8)

- -Beijing R&D Center
- -Xi'an R&D Center
- -Tianjin R&D Center
- -Wuhan R&D Center
- -Guangzhou R&D Center
- -Chengdu R&D Center
- -Shenyang R&D Center
- -Nanjing R&D Center



2018 SCADA/HMI China Market Share





Note: In China, from 2018, the number of software sets stands first, and the market share stand the first for two consecutive years in 2020 and 2021 as well.

2. Products Introduction

KingSCADA: A High-End SCADA Platform

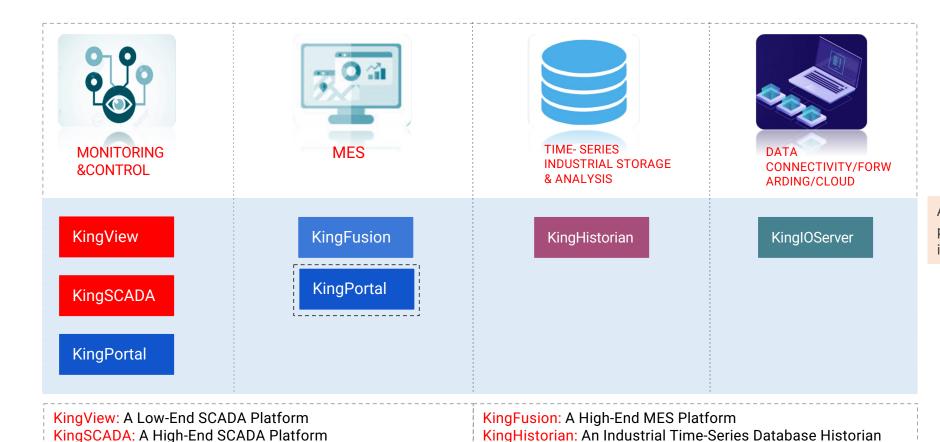
KingPortal: A Web-Based SCADA Platform



High level introduction on product lines in the context of modern manufacturing stack.

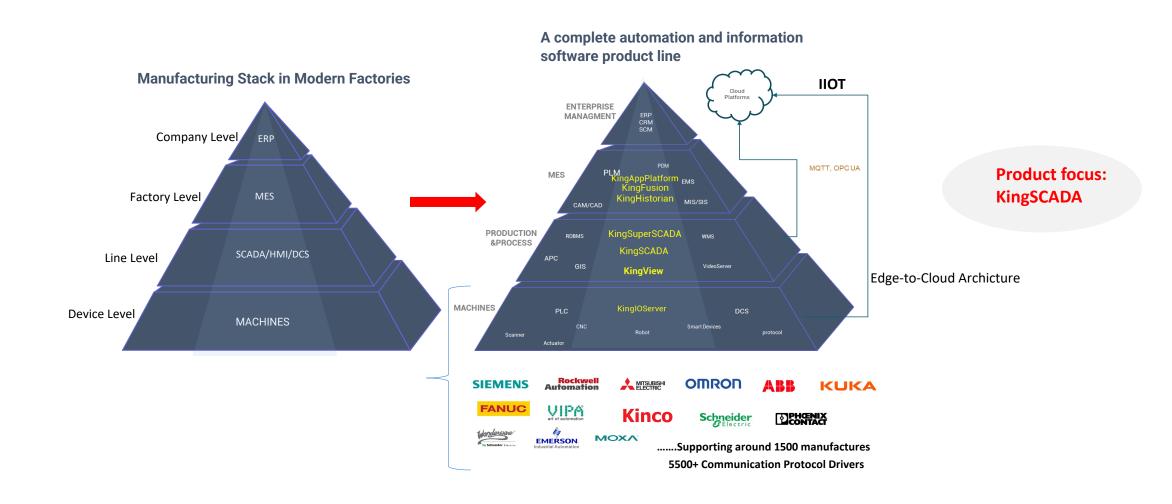
Product Lines

KinglOServer: A Data Connectivity Platform



All these products are independent product, can be installed separately in a PC and run separately.

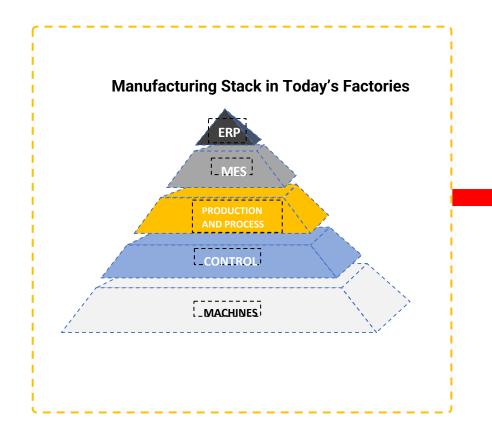
High level introduction on product lines in the context of modern manufacturing stack.



2. Products Introduction

High level introduction on product lines in the context of modern manufacturing stack.

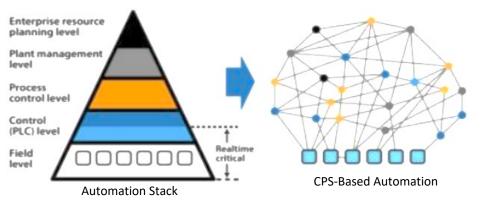




Future of Smart Factories/Smart Manufacturing

But we're moving to something new and more connected and efficient! A goal toward sustainable factories...

CPS(Cyber-physical Systems)-based manufacturing is the goal of Smart Factories. It's a new age of smart manufacturing. In the context of manufacturing facilities, we will call it Industrial CPS(ICPS)



Source: Elvis Hozdić "SMART FACTORY FOR INUSTRY 4.0: A REVIEW" International Journal of Modern Manufacturing Technologies ISSN 2067–36

For very edge-level, cyber-physical systems aims to integrate:

- sensing,
- computation
- control

3Cs(Computation, Control, and Communication)

communication

into physical objects and infrastructure, connecting them to the Internet and to each other, enabling a smart and connected ecosystem.

CPS-based factories are a **synergistic approach** to creating a holistic view over smart factories.

Product focus: KingSCADA

KingSCADA Introduction

A High-End Industrial Configurable SCADA Software with 22+ years of R&D History

Main Application
Scenarios of
KingSCADA

- Monitoring center (station control, production line)
- Centralized control and dispatch center
- Remote dispatch center
- Integrated Monitoring System



KingSCADA currently has 78,000+ running plants/sites, covering municipal water, electricity, heat, energy, chemical industry, transportation, aviation, military industry, automobile, electronic **semiconductor**, smart park, clothing, food and medical treatment, household and other industries.



2. Products Introduction

Product focus: KingSCADA



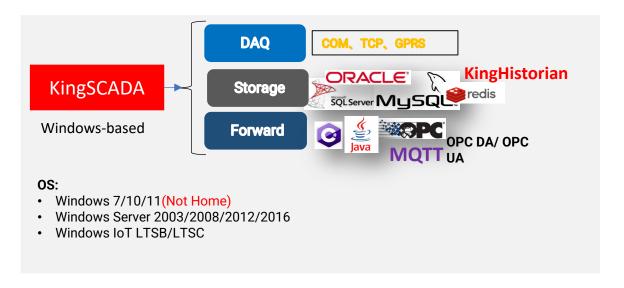


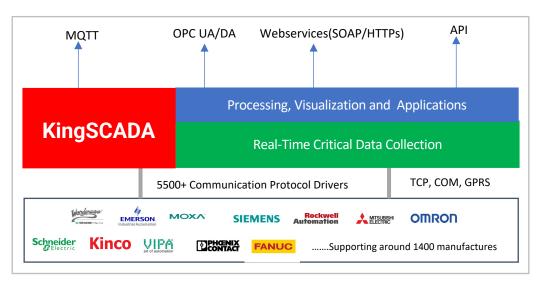
For any given factory, there are three main challenges/steps to implement smart solutions:

- 1. Data Connectivity
- 2. Data Processing, Visualization, and Applications
- 3. Data Integration and Plant Level Execution

Manufacturing Stack ERP MES KingSCADA SCADA/HMI/DCS MACHINES

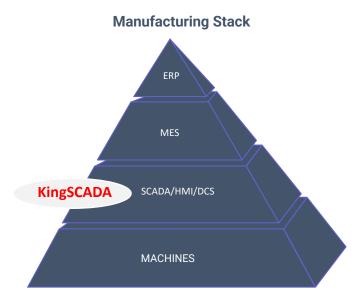
A factory/plant can be represented in this mode(Purdue model)

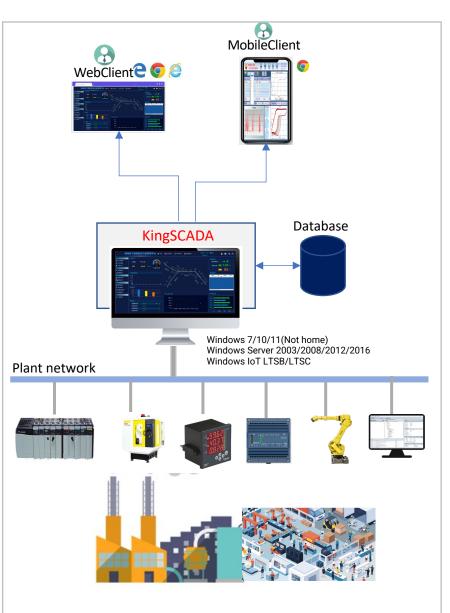


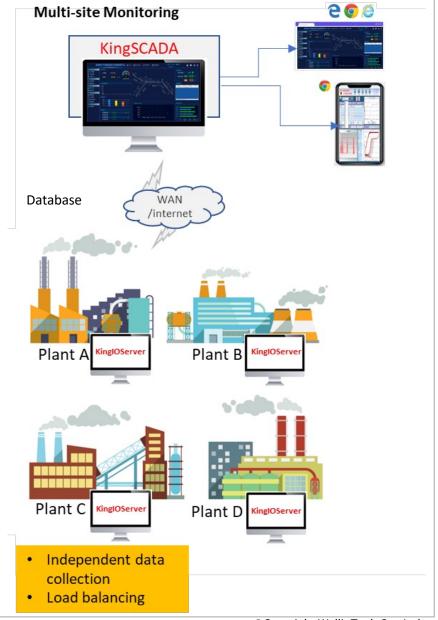


2. Products Introduction

Product focus: KingSCADA







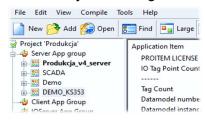
Wellinlech

Wellinlech

Product focus: KingSCADA

KingSCADA(KS) Top 25 Functions

1.Multi-Project Management



2. Rich Graphics & Animation



3. Alarm & Event



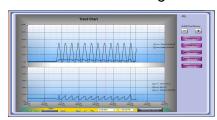
4. History Data Logging



5. Built-in Report Designer



6. Built-in Trend Designer



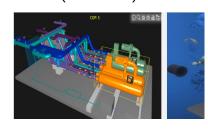
7. E-Charts(Open Source)



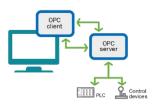
8. GIS(not in KV)



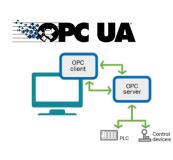
9. 3D(Not in KV)



10. OPC DA(Client-Server)



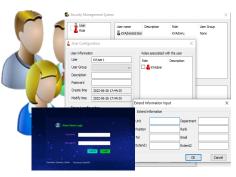
11. OPC UA(Client-Server)



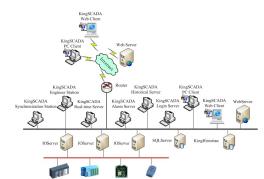
12.Data Acquisition(5500+)



. 13. Security, Users &Role



14. Network Structure(CS/BS)



15. Web Publishing(WebClient)



2. Products Introduction

Product focus: KingSCADA

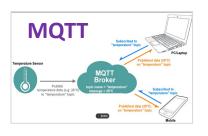


KingSCADA Top 25 Functions

16. MobileClient



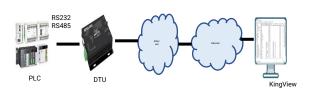
17. MQTT



18. WebServices(HTTP Server/RESTFul/SOAP)



19. GPRS



20. SMS& Email



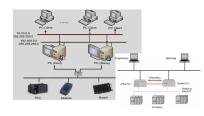
21. Data Model & Graphics Model (Mode-based engineering)



22. Recipe Management



23. Total Redundancy



24. Video Streaming



Tianmin, Hikvision, etc

25. Open Interfaces/3rd-Part Support

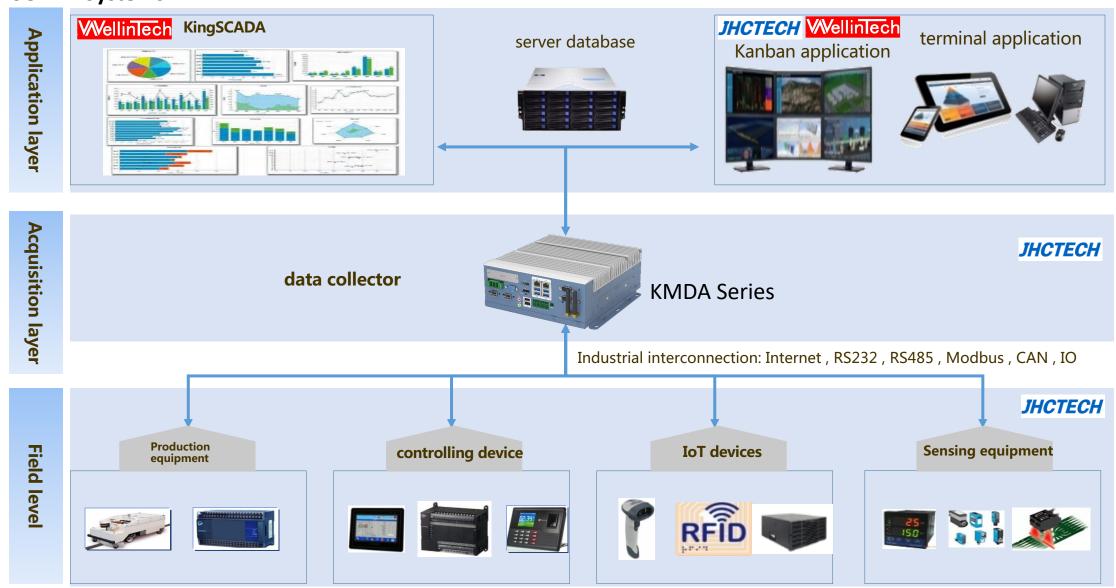
ActiveX/OCX Control ODBC/OLEDB/ADO etc API

2. Products Introduction

Product focus: KingSCADA | JHCTECH x WellinTech SCADA Solution



SCADA Systems





SCADA: A system that Monitor & Control processes in a plant

MES: A system that Executes Manufacturing processes in a plant

- 1. MES is really complex.
- 2. It's a system that unify your whole plant and executes production/manufacturing. It's plan level IT system.
- 3. It's a system that resides between SCADA and ERP system/business systems.
- 4. MES and ERP has a very close integration. You use ERP system to make business decision
- 5. MES executes your decisions at production level to produce an output.
- 6. WellinTech has its own MES software platform, called **KingFusion**.

Manufacturing Stack Planning Planning Production order Data Collection & integration Database MACHINES

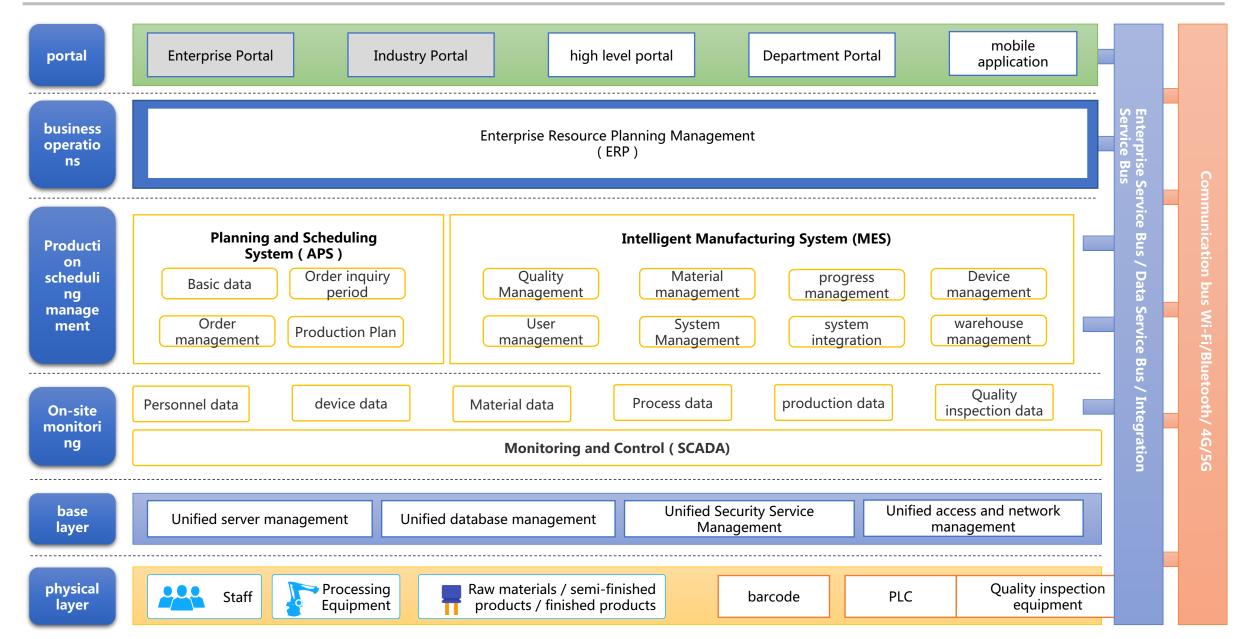
A SCADA system will have

- Data Acquisition
- Reporting
- Trending
- Data Logging
- Alarm&Event(A&E)

Where as a MES system will have

- Quality Management
- Material Management
- Warehouse management
- Device management







- 1. HONDA Factory Production Lines Monitoring Case- KingSCADA
- 2. DOOSAN Touch Screen Monitoring & AGV Dispatch System- KingSCADA
- 3. Capacitor Factory MES Case- KingFusion



HONDA'S
PRODUCTION LINES
MONITORING AND SHIFT
MANAGEMENT CENTER---INDIA

The Japanese multinational conglomerate, HONDA, is a public manufacturer of automobiles, motorcycles, and power equipment.

WellinTech implemented the Production Lines Monitoring and Shift Management Centre at HONDA Motorcycles plant in India. The plant used KingSCADA, which is a high-end SCADA system in the product portfolio of WellinTech to meet all requirements for required system. The system is installed in the main server room of the plant.

Date: 2021-12-21



Project Introduction

The need of implementation arose primarily due to the following reasons:

- 1. End-user was only monitoring Fanuc CNC through MT-LINKi and storing into a NoSQL database.
- 2. CNCs in the production lines were from different vendors, and end-user was unbale to connect all CNCs into a single platform for an unified lines monitoring.
- 3. There were also no data monitoring and storage for independent PLCs in the lines and connected edge-devices.
- 4. The existing system was not unified for their production lines for monitoring and checking the daily shift status of machines. All status verification was manual on screen.
- 5. The existing system was not scalable, meaning if they needed expand to more lines, they were unable to do so because the existing system is purely JVAVA based dashboard, not a standard system for automotive manufacturing.

End-user required a system that could unify the production lines data into a single platform. They needed a system powerful enough that could connect to all CNCs, PLCs and other I/O modules at the same time to achieve a unified motioning and storage. The major challenge they were facing was to connect CNCs from different vendors into a single platform. Thanks to **KingSCADA** that did the magic. The needed a scalable system in which they could accommodate more lines in the future easily.



System Specifications

PC

Windows Server 2016

Devices

PLC(Mitsubishi) Qty:17

CNCs(Fanuc, Mitsubishi, Brother) Qty:23

I/O Links(TURCK), Qty: 42

Protocols

MELSEC, CCLINK

FOCAS Ethernet

ModbusTCP

Tags

500+ I/Os

Screens

170

Database

KingSCADA Interal DB

MS SQL Server



System Architecture

Internal DB SQL Server KingSCADA The architecture connected multiple lines to the main KingSCADA Server. KingSCADA offers easy **** scalability to expand to more lines or even multiple plant area easily in the future. Switch Plant Network LAN Ethernet MELSEC, CCLink Etherent/TCP Ethernet/Modbus TCP **FANUC** TURCK **PLCs** I/O Links **CNCs** brother. **★**MITSUBISHI® **AMITSUBISHI**

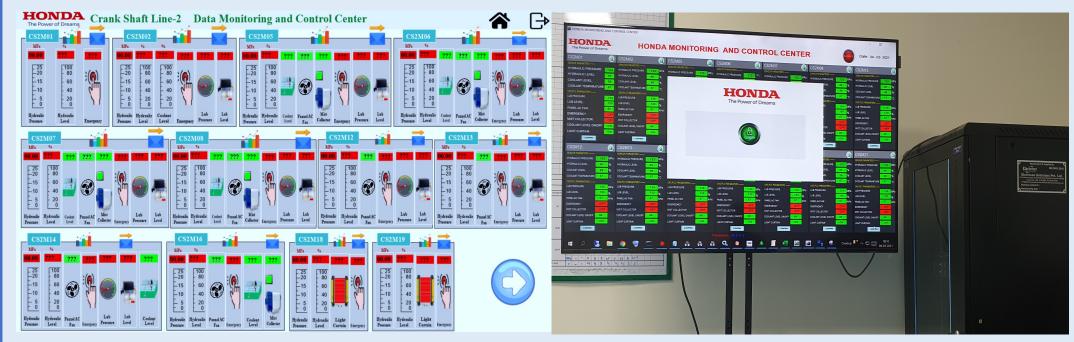


System Screens

The system consists of 170 screens, displaying different aspect of production lines monitoring such as

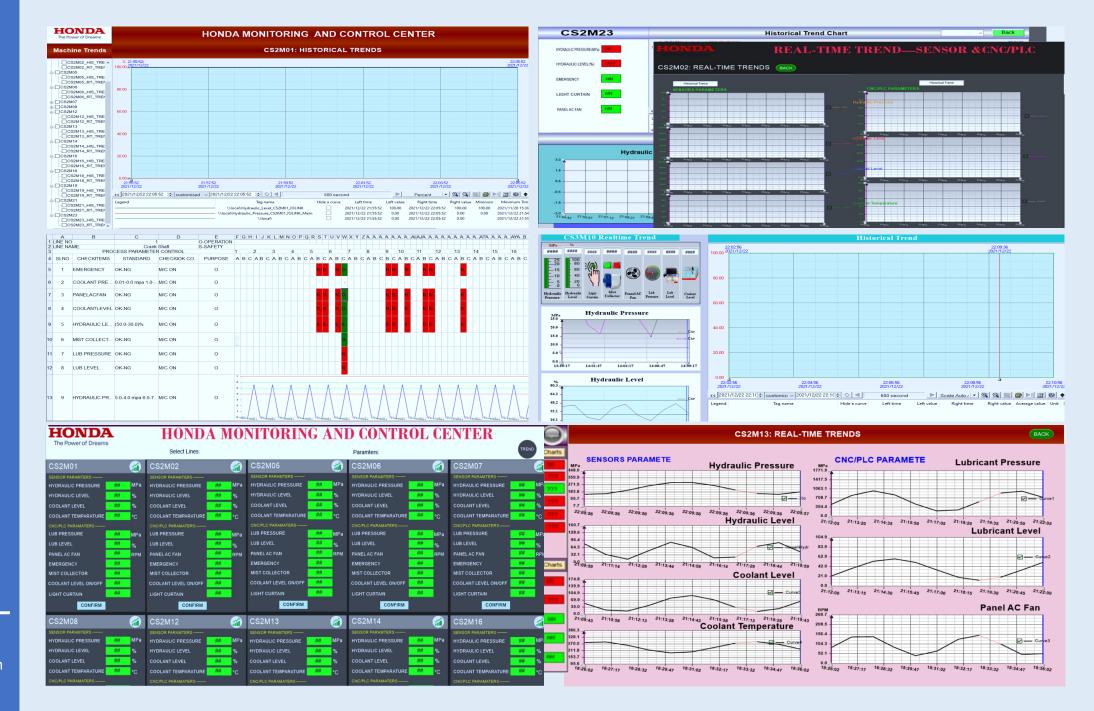
- Parameter monitoring
- 2. Real-time trending
- 3. Historical trending
- 4. Alarms handling
- 5. Customized reporting
- 6. Data archiving/logging
- 7. Auto email triggering
- 8. Manual email sending with daily shift status report as attachment







System Screens





KingSCADA

DOOSAN Solution Case – Forklift Counterweight Production Line



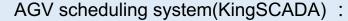
System



Vertical Touch Screen Monitoring System

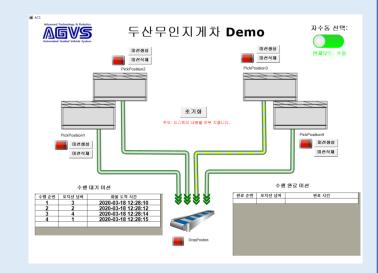
(KingSCADA):

- Real-time monitoring of AGV coordinates and veichle information
- 2. Weekly production line display
- 3. Product location display on production line conveyor belt.
- 4. Alarm information display

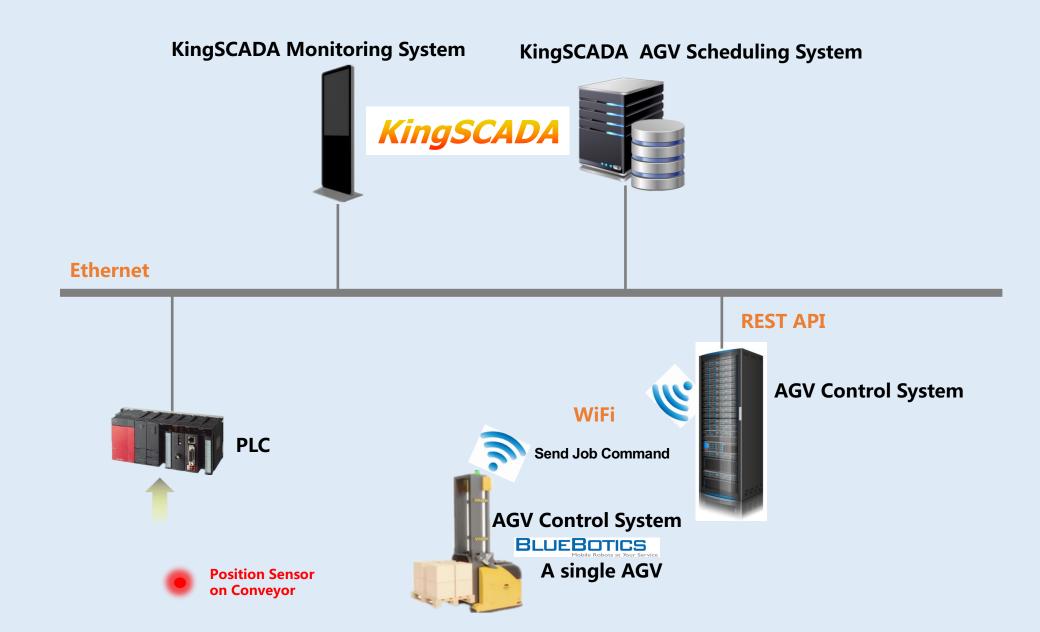


- 1. AGV dispatch system (KingSCADA):
- 2. Automatically issue job commands based on sensor signals
- 3. Manually issue job commands
- 4. Job records are automatically saved as excel files









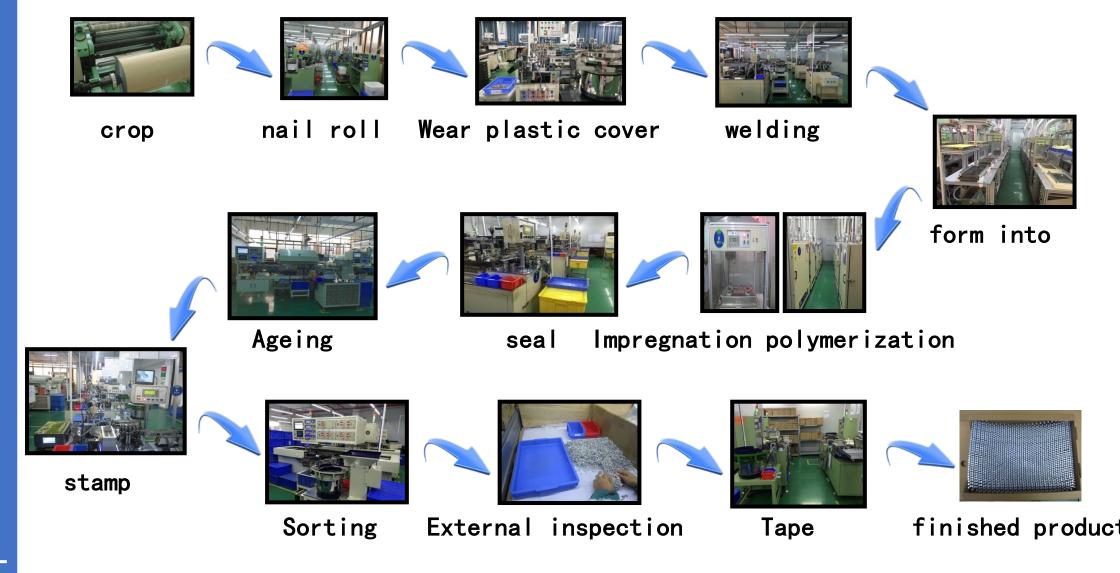


KingFusion

MES System for a Capacitor Factory



Solid Capacitor Key Process Flow





MES - Production Management

MES - Quality Management

MES –Warehouse management

MES – Equipment Management

Equipment ledger management Equipment Repair

Maintenance registration
Maintenance record query
Maintenance Knowledge Base
Troubleshooting maintenance
Failure frequency statistics

Spare parts management

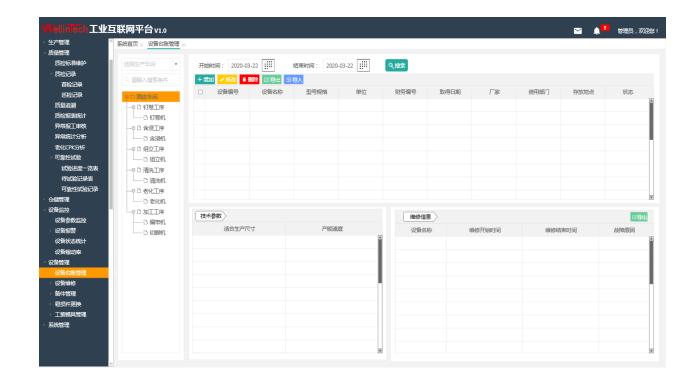
Spare parts replacement record

Spare Parts Consumption Statistics

Wear parts replacement

Wearing parts replacement standard
Wear parts replacement reminder
Wearing parts replacement record
Tooling and mold management
Tooling mold account

Tooling mold replacement record Tooling and mold scrap records





Q&A

THANK YOU!



Introduction of JHCTECH Products & Smart Manufacturing solutions

Alex, FAE/PSM, Taipei Office

JHCTECH



- **01 JHCTECH Introduction**
- **02 JHCTECH Products**
- **O3** Smart Manufacturing Solutions

CONTENTS



Shenzhen JHC Technology Development Co., Ltd.

Development

2002

Founded in Shenzhen

JHCTECH .

2005

Successfully launched the first low-power motherboard

2007

Established Branches



2008

Successfully launched the first fanless industrial computer– FEBC-3510

2009

Established three market directions

for intelligent systems: Smart

Infrastructure, Smart Services, Smart

Manufacturing



2011

Passed the ISO-9001 international quality system certification





2014

Awarded as "National High-tech Enterprise"



2016

Launched ALAD Series Panel PC and Industrial Display.



Gain lots of software copyrights and utility model patent



Launched BRAV Series AI Edge Computing System

- Intel® x86 Platform
- AI Module/AI Product





Started business journey on the global market



2017

Launched KMDA Series Embedded Box PC



- 1. Established Taipei Branch
- 2. Established Suzhou Branch
- 3. Successfully launched KGEC Series for motion control in automation





Domestic Sales Network















Global Sales Network



Global Marketing



Professional Sales Team



Excellent Engineering Team

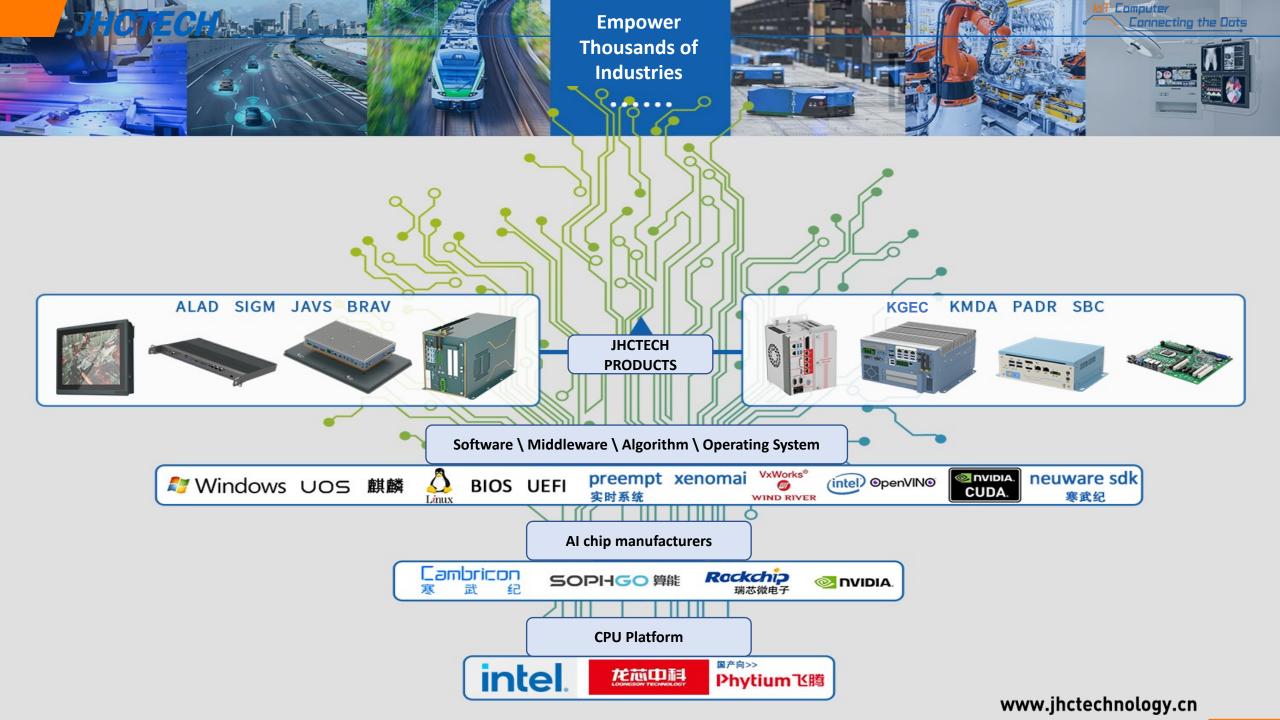


Overseas Agent (50+)



Sales achievements increased by 11%







Standard Product (8 series, nearly 400 products on sale)



ALAD Series
Fanless Panel PC & monitor



KMDA Series Fanless Box PC



BRAV Series
AI Edge Computing System



SIGM Series
Fanless In-Vehicle
rugged PC



WPPC Series
Rugged Waterproof
Panel PC



KGEC series Edge Controller



PADR series Embedded Box pc



SBC series
Embedded single
board Computers

Application



Intelligent Transportation System



Smart Healthcare



V2X



Smart Warehouse



Industrial Automation



 Energy and Environment Protection



Smart Security



Smart Factory



Intel® x86 Platform

Al Module (NVIDIA, Cambricon, SOPHGO)

China CPU Platform (Loongson & Phytium)

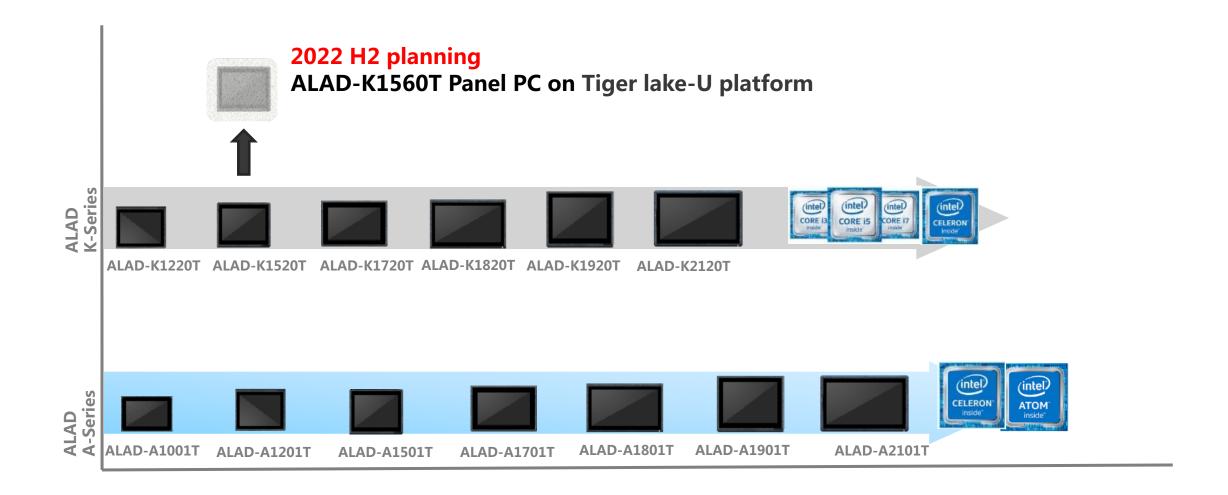


JHCTECH Products

ALAD Series KMDA Series



ALAD Panel PC Series - Product Roadmap







Multiple Interfaces

- Use the EI/O composite interface developed by JHCTECH, which can connect expansion cards with different expansion functions (such as PCI or PCIe bus expansion cards, etc.)
- K series panel, 15 inch, 19 inch, 21.5 inch can support 1* PCI or 1* PCIe 3.0 (x4 slot x1 signal) expansion slot.









Industrial Standard

- Long-life LCD screen, LED backlight is industrial grade 50Kh
- Wide temperature operation, suitable for different industrial environments





Ingenious Design

- Front panel is IP65 rating, fanless heat dissipation design
- All aluminum die-casting, streamlined design, sturdy and reliable
- With Flexible hidden panel mounting buckle, support panel mounting, VESA mounting, rack mounting









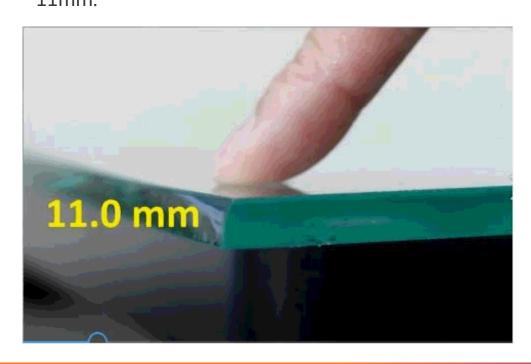




Anti-disturbance, Sensitive to Touch

- The resistive touch chip of K series products is directly laid on the motherboard, with higher stability.
- The capacitive touch screen uses Heruiya industrial-grade touch chip, it provides customized FW programs for different electromagnetic operating environments.
- Can be touched with rubber gloves and is waterproof, and the thickness of the outer glass cover can reach 10-11mm.











EMC CE and FCC Certified







DC 9~36V wide power input





ALAD-A1001T Specification

Model No.	CPU & Memory	Touch	LCD	WEB Camera	I/O & Power											
ALAD-A1001T-S001		5 wire resistive	350cd/m² 15000h	N/A												
ALAD-A1001T-S002				1*500M												
ALAD-A1001T-T001	touch			touch	touch	500cd/m² 50000h	N/A									
ALAD-A1001T-T002	Intel® Celeron J1900		50000h	1*500M	1*HDMI, 1*Audio out, 2*COM, 4*USB, 2*LAN, 1*Mini PCIe,											
ALAD-A1001T(P)-S001	4GB DDR3L	Projected capacitive touch	capacitive	capacitive	capacitive	capacitive	capacitive	capacitive					350cd/m ²			1*2.5" SATA bay, 1*mSATA, 2*2W Speaker, DC 9~36V
ALAD-A1001T(P)-S002									15000h	1*500M						
ALAD-A1001T(P)-T001									· ·	•	•	•	touch 500cd/m	500cd/m ²	N/A	
ALAD-A1001T(P)-T002				50000h	1*500M											



ALAD-K1220T Specification

Model No.	CPU	Touch	LCD	I/O & Power
ALAD-K1220T-T001		5 wire resistive		
ALAD-K1220T(P)-T001	I3-6100U/I3-7100U	Projected capacitive		
ALAD-K1220T-T002		5 wire resistive		
ALAD-K1220T(P)-T002	I5-6200U/I5-7200U	Projected capacitive	500cd/m ² 50000h	1*HDMI, 2*COM, 5*USB, 2*LAN, 1*Mini PCIe, 2*3W Speaker, 1*2.5" SATA Bay, 1*M.2, DC 9~36V
ALAD-K1220T-T003		5 wire resistive		
ALAD-K1220T(P)-T003	I7-6500U/I7-7500U	Projected capacitive		
ALAD-K1220T-T004	Celeron-	5 wire resistive		
ALAD-K1220T(P)-T004	3855U/3865U	Projected capacitive		

NOTE: optional 15", 17", 19"





ALAD-K1820T(P) Specification

Model No.	CPU	Touch	LCD	I/O & Power
ALAD-K1820T(P)-T001	I3-6100U/I3-7100U			1*HDMI, 2*COM, 5*USB,
ALAD-K1820T(P)-T002	I5-6200U/I5-7200U	Draiastad	500cd/m ²	2*LAN, 1*Mini PCIe, 2*3W
ALAD-K1820T(P)-T003	I7-6500U/I3-7500U	Projected capacitive	50000h	Speaker, 1*2.5" SATA Bay,
ALAD-K1820T(P)-T004	Celeron- 3855U/3865U			1*M.2, DC 9~36V

NOTE: optional 21.5"



Target Market

Kiosk



CNC machine & HMI



Warehousing Logistics



Medical Detection Device



MES



Automobile company MES system application Vehicle, engine assembly, etc.

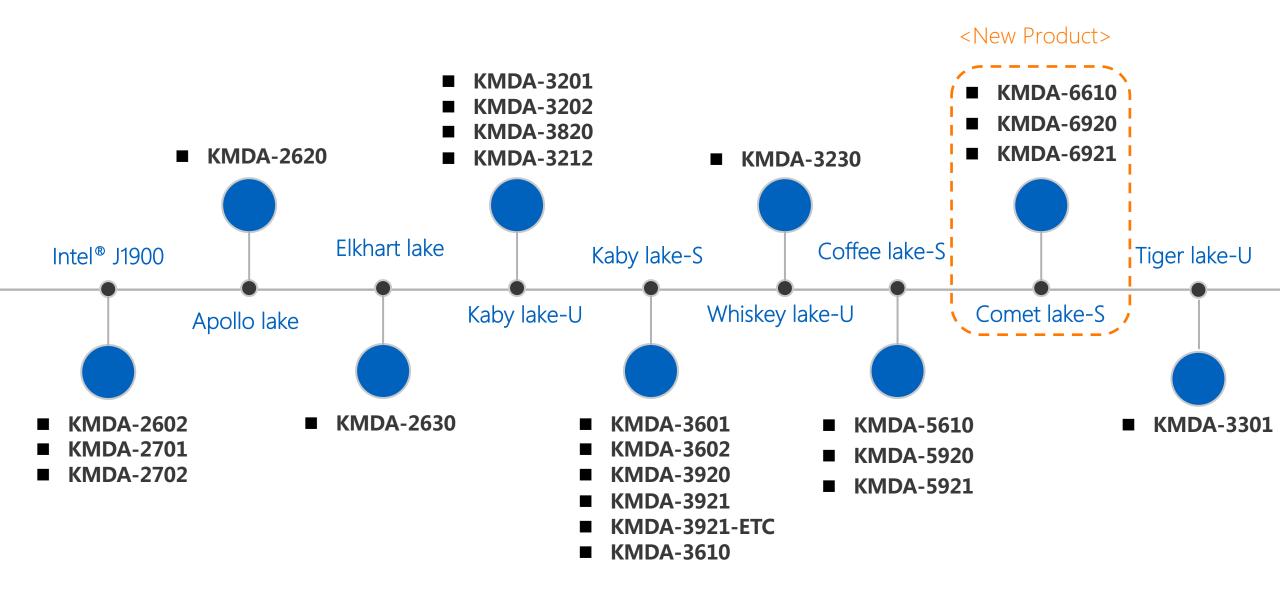


Factory MES system application Automatic production line SMT patch, etc.





KMDA ROADMAP







KMDA-6610/6920/6921 Product Features

	KMDA-6610	KMDA-6920	KMDA-6921		
Processor	Intel® 10th Comet Lake-S Core i9/i7/i5/i3/Pentium/Celeron				
Chipset	Intel® H420E Chipset	Intel® H420E Chipset			
RAM	2*DDR4 2933MHz SODIMM, up to 64GB				
Ethernet	1*Intel I226V, 10M/100M/1000M/2.5G bps Adaptive, supports WOL 1*Intel I219LM, 10M/100M/1000M bps Adaptive, supports WOL				
Display	Support 1*DP, 1*HDMI, 1*VGA, 2+1display				
I/O Interface	2*LAN, 4*USB3.2, 2*USB2.0, 1*8bit DIO, 4*COM (2*RS232/422/485 through BIOS, 2*RS232), 1*Line out and 1*MIC, 1*PS/2, 1*REMOTE SW, 1*VGA+1*DP+1*HDMI				
Storage	2*2.5" SATA3 easy pluggable SATA bay, support max 6G bit/s transmission rate 1* full size mSATA				
Power supply	DC IN 9-36V, with short circuit, over voltage and over current protection				
Expansion	1*Full size Mini-PCIe with SIM slot (support 4G LTE/Wifi/BT)	1*PCIe X16 slot (X16 signal) 1*PCIe X16 slot (X4 signal) or 1*PCI (32bit) 1*full size Mini PCIe with SIM slot (support 4G LTE/Wifi/BT)	1*PCIe X16 slot (X16 signal) 1*PCIe X4 slot (X2 signal) 2*PCI slot (32bit) 1*full size Mini PCIe with SIM slot (support 4G LTE/Wifi/BT)		







★ Highlight2 Universal Expansion Capability

Model	Expansion	Supported GPU cards	Optical Interface Card Multiple Network Interface Card	Motion Control Card Data Acquisition Card Other Function Card
KMDA-6920-S001	1*PCIe X16 slot (Gen3.0 X16 signal) 1*PCIe X16 slot (Gen3.0 X4 signal) or 1*PCI (Gen3.0 32bit)	 Supports up to 1*150W GPU graphics card (such as GTX-1660S, RTX-3060Ti, etc.) The length should be less than 210mm Support 1*75W AI function card The length should be less than 230mm 	Can support a 10G optical Interface card or multi-network Interface expansion card with a size less than 230mm	Can support 1 serial card with size less than 230mm, etc.
KMDA-6921-S001	1*PCIe X16 slot (Gen3.0 X16 signal) 1*PCIe X4 slot (Gen3.0 X2 signal) 2*PCI slot (Gen3.0 32bit)	 Supports up to 1*150W GPU graphics card (such as GTX-1660S, RTX-3060Ti, etc.) The length should be less than 210mm Support 2*75W AI function card The length should be less than 230mm 	can support 2x 10G optical Interface cards or multi-network Interface expansion cards with a size less than 230mm	Can support 2*75W functional modules, such as motion control card, data acquisition card, digital input and output card, etc.; the length should be less than 230mm www.jhctechnology.cn





Highlight 3

2.5G Network

Mini PCIe

1*I226V and 1*I219LM Network Chip

Support 4G LTE or WIFI wireless network





Highlight 4

Flexible and diverse functional IO expansion

IO daughter card ECD-9720, optional for ECB-9620, ECD-9600 and ECB-9810IO www.jnctechnology.cn



★ Highlight 4 Common Mode Structure, New ID Design

 Two platforms "Coffee lake" and "Comet lake" share the same heat dissipation extrusion profiles;

The appearance ID and size of the corresponding models of the

two sub-series are the same.



KMDA-5610



KMDA-6610



KMDA-5920



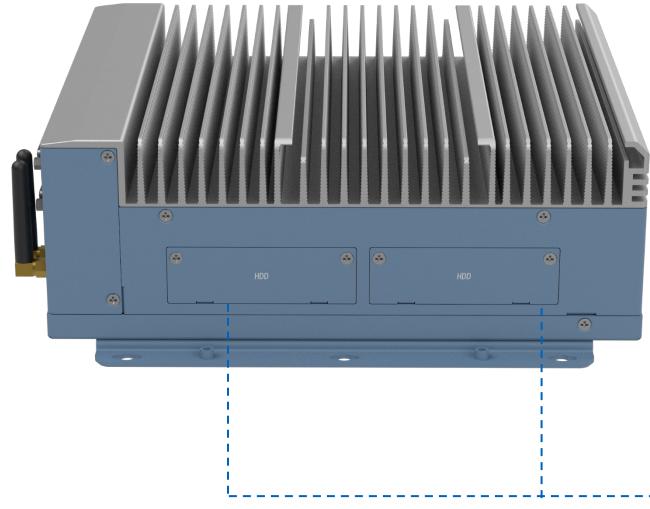
KMDA-6920



KMDA-5921



KMDA-6921 www.jhctechnology.cn





2x 2.5-inch easy-swap design hard disk bays, single-port rate SATA36.0 Gbps, the maximum capacity of a single hard disk can reach 6TB



1*mSATA, full-length card, rate SATA36.0Gbps

Highlight 6

1+2 storage options and higher storage capacity

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Ordering Info of KMDA-6610



Model No.	Introduction
KMDA-6610-S001	Fanless box computer, Intel® 10 th Gen Cometlake LGA1200 CPU, H420E PCH, 2*DDR4 SODIMM, 2*LAN, 4*USB3.2, 2*USB2.0, 1*PS/2, 4*COM, 1*VGA, 1*DP, 1*HDMI, Audio Line out & Mic, 8bit DIO, 1*I-Port, 2*2.5" SATA bay, 1*mSATA, 1*Mini PCIe, DC 9-36V.
PA-120DC19	AC/DC power adapter, DC 19V/6.32A,120W



Ordering Info of KMDA-6921



Model No.	Introduction	Expansion	
KMDA-6921-S001	Fanless box computer, Intel® 10 th Gen Cometlake LGA1200 CPU, H420E PCH, 2*DDR4 SODIMM, 2*LAN, 4*USB3.2, 2*USB2.0, 1*PS/2, 4*COM, 1*Mini PCIe, 1*mSATA, 1*VGA, 1*DP, 1*HDMI, Audio Line out & Mic, 8bit DIO, 1*I-Port, 2*2.5 "SATA bay, DC 9-36V.	Standard configuration: ECX-266 four expansion card, 1*PCIeX16	
PA-120DC19	AC/DC power adapter , DC 19V/6.32A, 120W		
PA-220DC24	AC/DC power adapter , DC 24V/9.17A, 220W		
PA-300DC24	AC/DC power adapter , DC 24V/12.5A, 300W		



Ordering Info of KMDA-6921



Model No.	Introduction	Expansion	
KMDA-6921-S001	Fanless box computer, Intel® 10 th Gen Cometlake LGA1200 CPU, H420E PCH, 2*DDR4 SODIMM, 2*LAN, 4*USB3.2, 2*USB2.0, 1*PS/2, 4*COM, 1*Mini PCIe, 1*mSATA, 1*VGA, 1*DP, 1*HDMI, Audio Line out & Mic, 8bit DIO, 1*I-Port, 2*2.5 "SATA bay, DC 9-36V.	Standard configuration: ECX-266 four expansion card, 1*PCIeX16 (X16 signal) +1*PCIeX4 (X2 signal) +2*32bit PCI	
PA-120DC19	AC/DC power adapter , DC 19V/6.32A, 120W		
PA-220DC24	AC/DC power adapter , DC 24V/9.17A, 220W		
PA-300DC24	AC/DC power adapter , DC 24V/12.5A, 300W		



Target Market

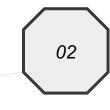
- Logistics Visual Sorting
- Photovoltaic visual inspection
- Intelligent inspection machine
- Automobile manufacturing inspection

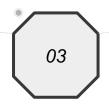
- Industrial Robot Arm
- Laser cutting machine/engraving machine/CNC machining center
- Dispenser/3D Printer
- DCS

Industrial Manufacturing



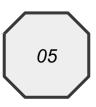
Machine Vision





Medical Imaging

- X-ray machine
- Monitor



CVIS/ V2X

- Roadside MEC
- HD Map mapping

Highway

01

- Gantry Free Flow
- ETC & MTC
- Event Detection
- Law enforcement forensics



KMDA-6610/ 6920 / 6921 Schedule







EV Phase Late August 2022

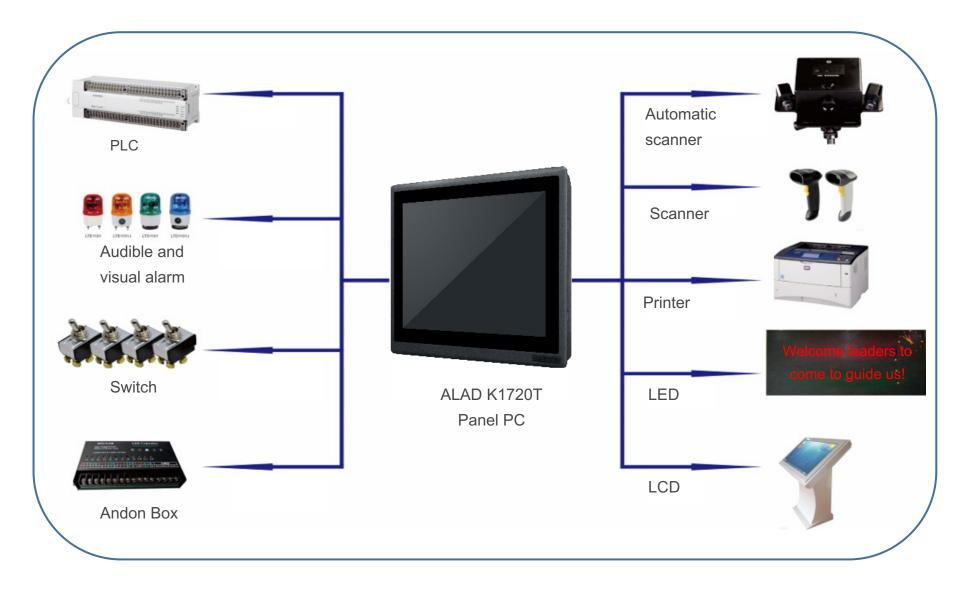
PV Phase October 2022



Smart Manufacturing Solutions



Application: MES (Manufacturing Execution System)



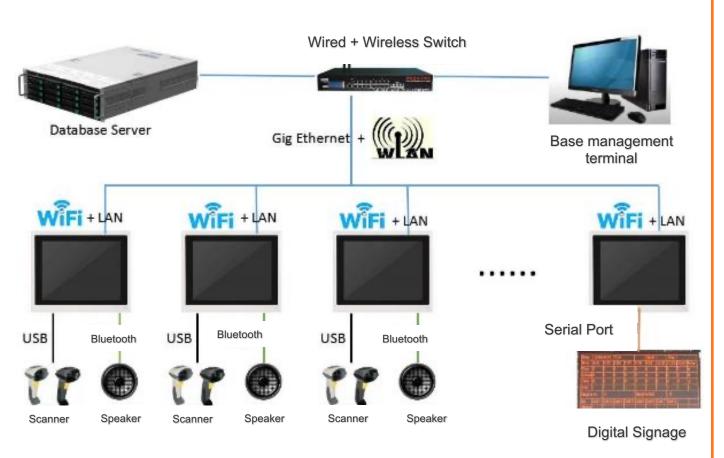


Application: MES(Manufacturing Execution System)





Application Case



An automobile company in Liuzhou introduced the mixed-flow assembly line sequencing problem into the MES system and combined it with the genetic algorithm to realize the optimal solution of the manufacturing execution system for automobile assembly, and relying on the most reliable interactive hardware of the JHCTECH platform to run.

System configuration

- Enterprise ERP/SCM/CRM system data center
- 2. Wired & wireless TCP/IP data switches
- 3. Manufacturing Execution System MES
- 4. Industrial touch panel PC + data collector + amplifier speakers, material billboards



On-Site Implementation







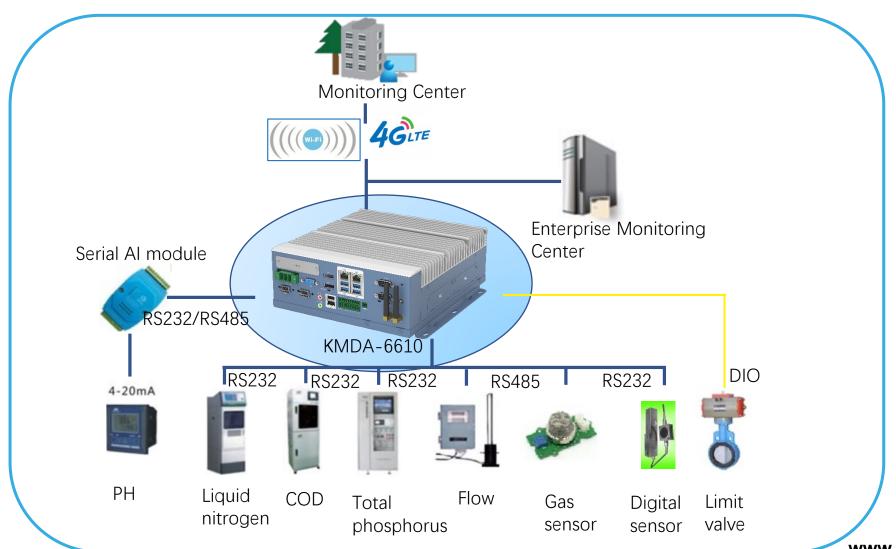








Application-SCADA(Supervisory control and data acquisition)

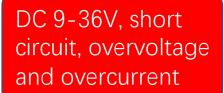


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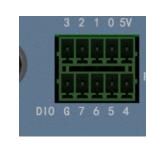
Application-SCADA(Supervisory control and data acquisition)

KMDA-6610 Features











8bit non-isolated DIO, TTL signal, programmable

Fanless, low power consumption









4*COM 2*RS232/422/485 2*RS232

-20~60C°, Wide operating temperature





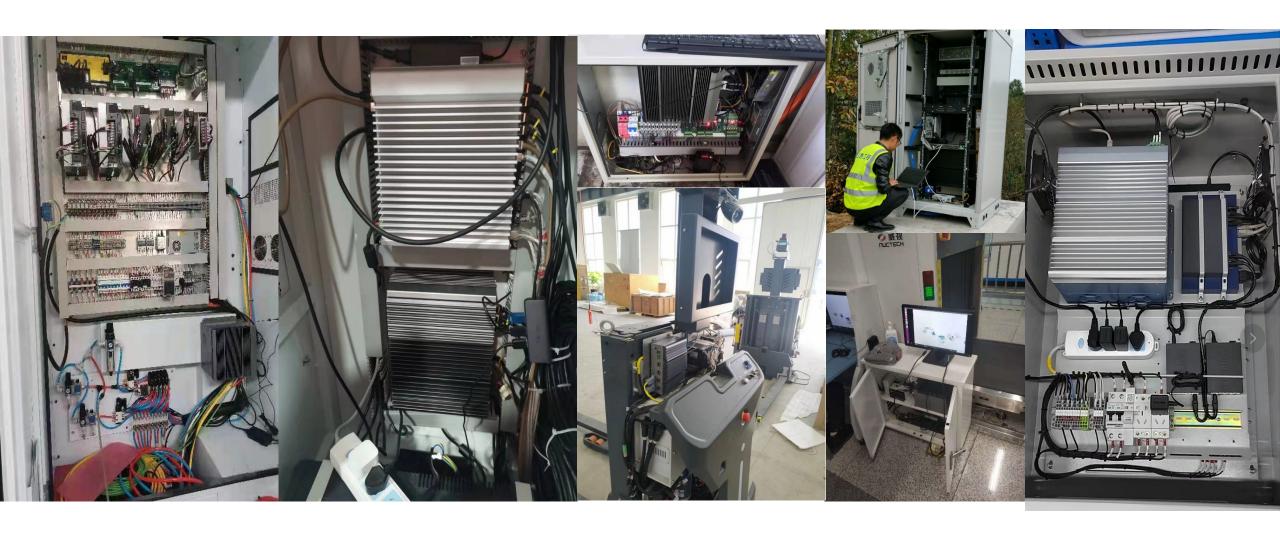


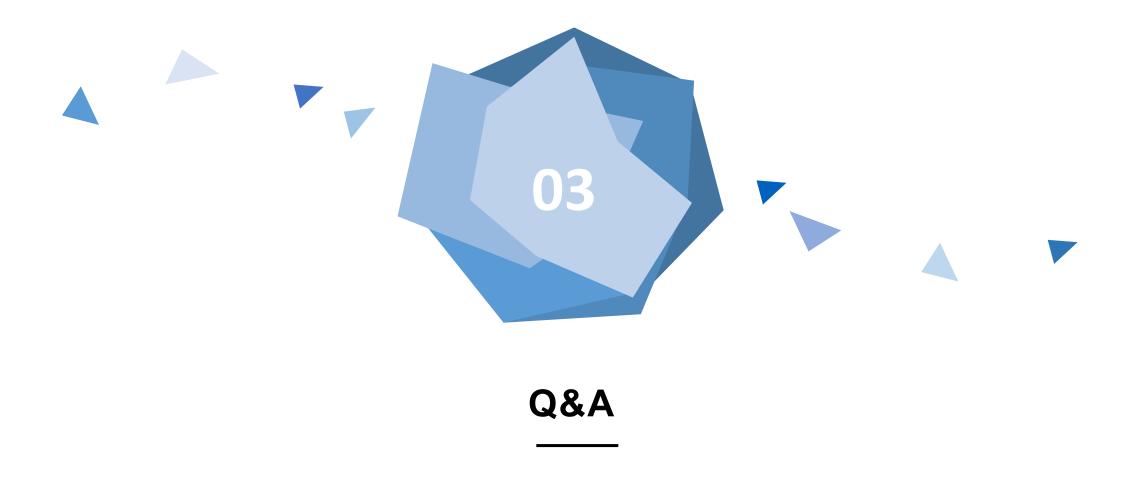


Support 4G LTE or WIFI wireless network



On-Site Implementation





Q1: What is the maximum number of PCIE slots the KMDA series have?

A1: We provide 2, 4 slots selection in KMDA-5000/6000 series



KMDA-5610



KMDA-6610









KMDA-6921 www.jhctechnology.cn



Special Offer for JHCTECH ALAD Series

Model	Special Offer
ALAD-A1001T/S001-G 4 GB RAM, adapter.	333 USD
ALAD-K1520T/T002-G 4 GB RAM, adapter.	777 USD
ALAD-K2120T(P)/T002-G 4 GB RAM, adapter.	999 USD

Offer conditions:

- 1. The above configurations do not include hard disks.
- 2. The offer is valid only for this webinar attendees. (Please fill in the form to get your offer first. Form link: https://jhctech.ck.page/856aba9d36)
- 3. The offer validity period runs from Sep 30th, 2022, to Oct 30th, 2022.
- 4. No limit to the number of purchased units.
- 5. Offer valid while stocks last. Please get in touch with JHCTECH regional sales manager for more details.
- 6. JHCTECH reserves the right of final approval for this commercial offer.





Special Offer for WellinTech Softwares

Offer conditions:

- The offer is valid only for this webinar attendees. (Please fill in the form to get your offer first. Form link: https://jhctech.ck.page/856aba9d36)
- 2. The offer validity period runs from Sep 30th, 2022, to Oct 30th, 2022.
- 3. WellinTech reserves the right of final approval for this commercial offer.





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